

JORGE LÓPEZ PÉREZ

jorge@loperez.com — [Github](#) — [Linkedin](#)

PROFILE

I graduated in Economics at Universidad of Las Palmas de Gran Canaria (Spain) (2015) and then I got a MSc in Statistics at Polytechnic University of Catalonia (2017). R enthusiast, I love working with data.

EDUCATION

MSc in Statistics and Operations Research 2015 - 2017

Polytechnic University of Catalonia, Barcelona. GPA : 8.3/10

Master Thesis: Pedestrian anomaly detection based on video surveillance, supervised by Dr. Marc Ruíz

Bachelor's Degree in Economics 2011 - 2015

University of Las Palmas de Gran Canaria, Gran Canaria. GPA : 8/10

Thesis: Price sensitivity analysis in the wholesale market of Las Palmas, supervised by Dr. Alejandro Rodríguez

WORK EXPERIENCE

Data Scientist, Ryanair May 2020 - Present

Madrid

Data Scientist, Boston Consulting Group (Gamma) May 2019 - Mar 2020

Madrid

- I joined Boston Consulting Group (BCG) as a result of the acquisition of Kernel Analytics by BCG.

Data Scientist, Kernel Analytics September 2017 - May 2019

Madrid

- Customer value management: Build predictive models for churn, upsell and XSELL; comprehensively integrating them for value management of the customer portfolio with proactive marketing campaigns. Client: top telecom operator in Spain (postpaid+prepaid+FMC portfolios). Main tools and methodology: SQL, SAS and Python programming, logistic regression, XGboost
- Time series in company of the Logistics sector. Demand prediction through algorithms such as ARIMA, Prophet or Random Forest.

Business Intelligence Consultant, everis October 2016 - September 2017

Barcelona

- Working on Health sector. ETL, reporting and modelling, mainly regression models for count data such as Poisson regression.

Technical assistant, TIDES institute September 2014 - December 2014

Gran Canaria

- Technical assistant to PhD candidates.

TECHNICAL SKILLS

Machine learning and Statistics: supervised and unsupervised models, hypothesis testing, statistical inference, multivariate analysis, time series, econometrics, propensity models, dimensionality reduction.

Programming: Python, R, SAS, Git, Bash. IDE: VSCode.

Databases: Relational Databases (SQL Server, PostgreSQL, MySQL), Impala, AWS Athena.

Cloud: AWS (EC2, Lambda, SageMaker), Azure (Logic Apps, Data Factory), GCP (BigQuery).

Other: Docker

SOFTWARE

Github profile: <https://github.com/jlopezper>

R packages:

- **opendataes** ([Github](#)): Interact with the API of datos.gob.es and extract data from Spain. *Role: author*
- **openlpgc** ([Github](#)): Interact with the API of datosabiertos.laspalmasgc.es and extract data from Las Palmas de Gran Canaria city council *Role: author*
- **MicroDatosEs** ([Github](#)): Process microdata provided by Spanish statistical agencies (mostly, INE). *Role: contributor*
- **whitestrapp** ([Github](#)): Bootstrapped version of the White's test for testing homoscedasticity of the residuals in linear regression models. *Role: author*

Python packages:

- **opendataes (in progress)** ([Github](#)): Interact with the API of datos.gob.es and extract data from Spain (Python version). *Role: author*

LANGUAGES

Spanish: Mother tongue

English: Upper Intermediate (written, read and listened fluently. A little less fluency speaking).

PRESENTATIONS

“**Extracting Spanish public data with ‘opendataes’**” - National Spanish R conference, November 2018
[awarded best talk]

“**Extracting Spanish public data with ‘opendataes’**” - Grupo de usuarios de R de Madrid, October 2018

PROJECTS

- Contributor to “Guía práctica para la publicación de datos tabulares en archivos CSV” published by datos.gob.es.
- Data Science for Social Good Portugal collaborator. Project: Evaluation of the social impact of Revista CAIS in Portugal ([Python project code](#))
- Co-organizer [R Canarias](#).